



3D Printing Solutions

HIPS

HIPS is an easy to print, High Impact Polystyrene filament with multifunctional properties. HIPS is an excellent support material in combination with ABS, because it dissolves in Limonene and ABS remains unaffected. HIPS is very suitable for detailed prints, but also for large objects because the material shows very limited warping. Furthermore HIPS is very light and durable, has good interlayer bonding, can be glued easily and the colours result in a smooth matt surface of the 3D printed objects. High Impact Polystyrene is therefore widely used in model building.

Features:

- Dissolves in Limonene
- High impact-resistance
- Can be glued easily
- For matt, detailed, complex or large prints
- Light and durable
- Virtually no “warping”

Colours:

HIPS is available from stock in 6 colours.



Packaging:

HIPS is supplied in plastic bag and custom box. Deliverable in different sizes:

- 750 gram
- 2,3 kg
- 4,5 kg
- 8,5 kg

Filament specs.		
Size	Øtolerance	Roundness
2,85 mm	± 0,10 mm	>95%

Material properties		
Description	Test method	Typical value
Specific gravity	ISO 1183	1,04 g/cc
MFR 200u02daC/5kg	ISO 1133	3,4 cm ³ /10 min
Tensile stress	ISO 527	22 Mpa

Elong. at break (MD)	-	50%
Tensile modulus	ISO 527	1550 Mpa
Impact strength Izod method 23u02daC	ISO 179	15 KJ/m ²
Specific gravity	ISO 1183	1,04 g/cc
MFR 200u02daC/5kg	ISO 1133	3,4 cm ³ /10 min
Tensile stress	ISO 527	22 Mpa

Additional info:

Recommended temperature for heated bed is $\pm 65-110^{\circ}\text{C}$.

The speed with which HIPS dissolves in limonene is depending on the volume and improves by movement. HIPS can be used on all common desktop FDM or FFF technology 3D printers.

Storage:

Cool and dry ($15-25^{\circ}\text{C}$) and away from UV light. This enhances the shelf life significantly.

Size and pricing

All prices shown are exclusive of VAT.

Pricing	
Size	Price excl. BTW
750 gram	€ 39,95
2,3 kg	€ 87,50
4,5 kg	€ 157,95
8,5 kg	€ 271,50